



VALUABLE INFORMATION

M5U1P1

The background is a dark teal gradient. In the four corners, there are white line-art illustrations of circuit traces and nodes, resembling a network or data flow diagram. These elements are positioned in the top-left, top-right, bottom-left, and bottom-right corners.

WHAT IS INFORMATION?

The background is a solid teal color with a subtle gradient. In the four corners, there are decorative white line-art patterns resembling circuit traces or data paths, with small circles at the end of the lines.

WHAT IS DATA?

The image features a dark blue gradient background. In the four corners, there are decorative white line-art elements resembling circuit traces or data paths, with small circles at the end of the lines. The central text is in a clean, white, sans-serif font.

IS INFORMATION SAME AS DATA?

DATA AND INFORMATION

- **Data** are simply facts or figures – bits of information but not information itself
- When data is processed, interpreted, organized, structured and presented so as to make it meaningful or useful, then it will become **information**
- **Information** provides meaning for the data

DATA

Jan 01
Jan 25
Feb 10
Apr 06
May 01
May 04
May 06

May 11
Jun 03
Jul 06
Jul 07
Jul 27
Jul 28
Aug 12

Aug 12
Oct 13
Oct 23
Dec 05
Dec 07
Dec 10
Dec 31

INFORMATION

LIST OF HOLIDAYS IN THAILAND IN 2020

Day	Date	Holiday Name	Type	Comments
Wednesday	Jan 01	New Year's Day	National Holiday	
Saturday	Jan 25	Chinese New Year	Regional Holiday	Narathiwat, Pattani, Yala, Satun
Monday	Feb 10	Makha Bucha (in lieu)	National Holiday	Substitute Day
Monday	Apr 06	Chakri Day	National Holiday	
Friday	May 01	Labour Day	National Holiday	International Workers' Day
Monday	May 04	H.M. King's Coronation	National Holiday	
Wednesday	May 06	Visakha Bucha Day	National Holiday	
Monday	May 11	Royal Ploughing Ceremony	Government Holiday	Government
Wednesday	Jun 03	H.M. Queen's Birthday	National Holiday	
Monday	Jul 06	Asahna Bucha Day (in lieu)	National Holiday	Substitute Day
Tuesday	Jul 07	Buddhist Lent (in lieu)	National Holiday	Government
Monday	Jul 27	H.M. King's Birthday Holiday	National Holiday	
Tuesday	Jul 28	H.M. King's Birthday	National Holiday	
Wednesday	Aug 12	Mother's Day	Not A Public Holiday	
Wednesday	Aug 12	H.M. Queen Mother's Birthday	National Holiday	
Tuesday	Oct 13	The Passing of King Bhumibol	National Holiday	
Friday	Oct 23	Chulalongkorn Day	National Holiday	
Saturday	Dec 05	Father's Day	Not A Public Holiday	

INFORMATION AGE

- Today we can consider that we live in the information age because of the increasing amount of data and information that is created everyday
- Worldwide, every user makes data and information, some of that data is of **great value** and some is **useless**
- Because of that , we have something called **data science**, which helps users to understand the meaning and importance of data and at the same time, users will gain knowledge from the information that the **data science processed**

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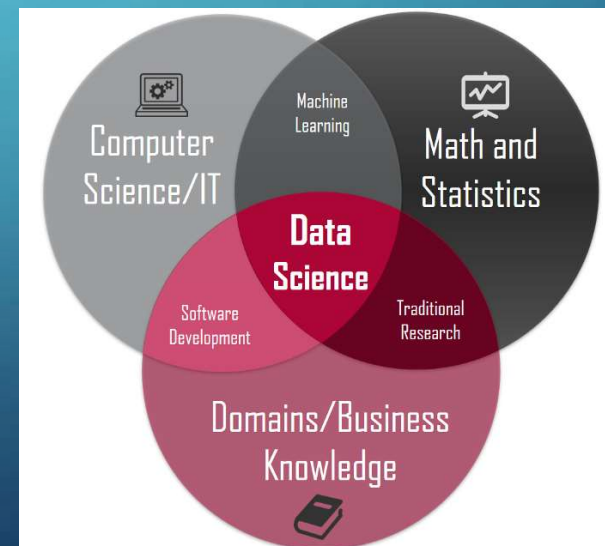
WHO USES THE DATA THAT WE CREATE?

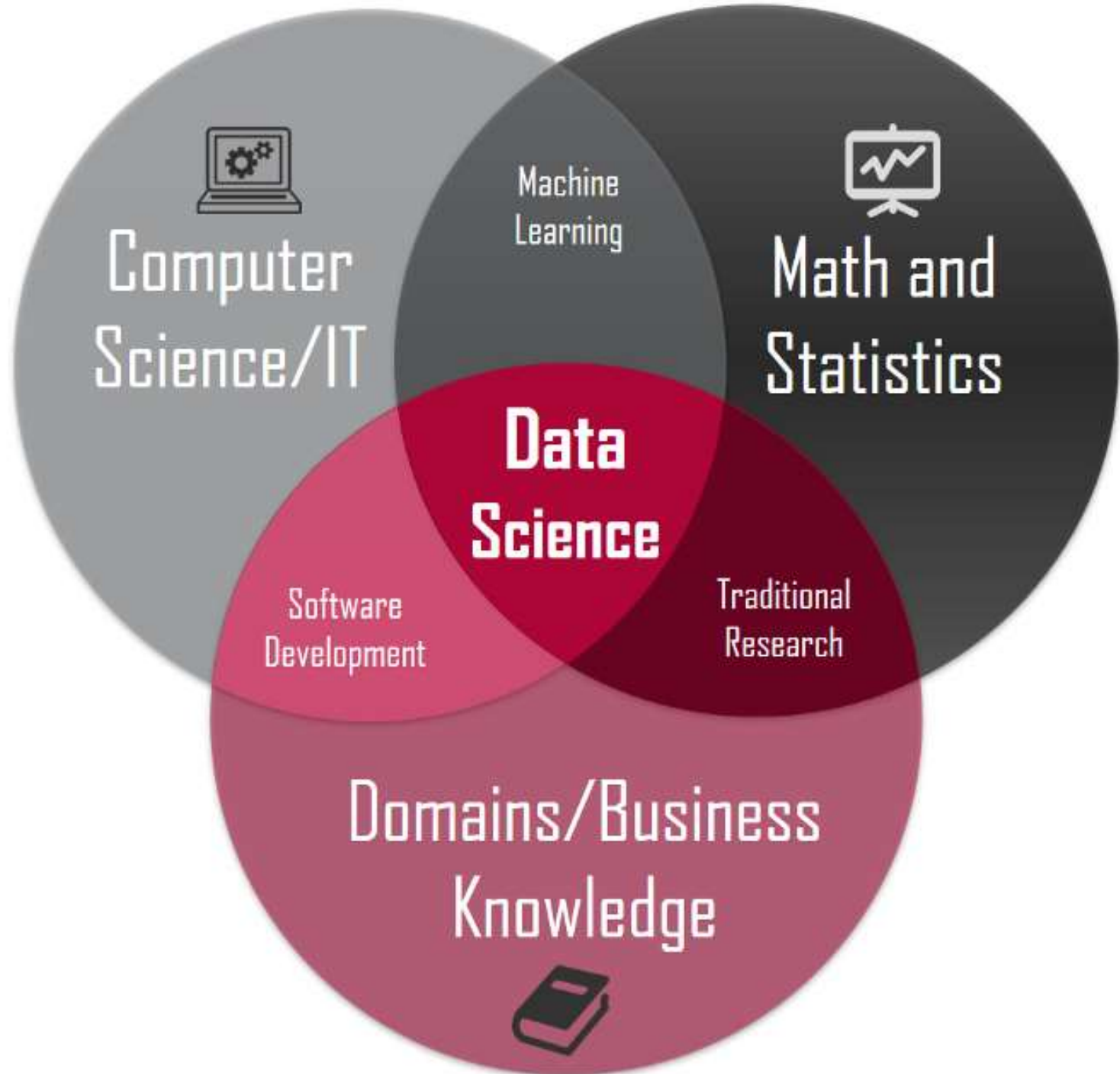
USE OF DATA

- Organizations, both government and private, make use of available data and information
- They use that data to decide on solutions that could fix a problem in our lives

DATA SCIENCE

- **Data science** uses **statistics, data analysis and machine learning** to understand and analyze actual phenomena with data
- **Data visualization** is used to make it easier for the users to understand the information and gain knowledge from it





Computer
Science/IT

Machine
Learning

Math and
Statistics

**Data
Science**

Software
Development

Traditional
Research

Domains/Business
Knowledge

The image features a blue gradient background with white circuit-like lines in the corners. These lines consist of straight paths that branch out and terminate in small circles, resembling a network or data flow diagram. The lines are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

ANY QUESTIONS?

The image features a dark blue gradient background with white, stylized circuit board traces in the corners. These traces consist of straight lines and small circles, resembling electronic components or connections. The traces are located in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

THE END